U.S. DEPARTMENT OF HOMELAND SECURITY Federal Emergency Management Agency National Flood Insurance Program

OMB No. 1660-0008 Expiration Date: November 30, 2022

ELEVATION CERTIFICATE

Important: Follow the instructions on pages 1-9.

Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.

SECTION A PROPERTY INFORMATION					FOR INSU	RANCE COMPANY USE
A1. Building Owner's Name Policy Number: DANIEL W. CRONEN, TRUSTEE						
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. Company NAIC Number:						
City FORT MYERS BEACH			State Florida		ZIP Code 33931	· .
A3. Property Description (Lots 27, 28 & 29, BLOCK "					•	COUNTY, FLORIDA
A4. Building Use (e.g., Resi	dential, Non-Residential,	Addition	, Accessory,	etc.) RESIDEN	ITIAL	
A5. Latitude/Longitude: La	t 26° 27' 15.9" N	LongC)81° 56′ 54.2′	W Horizonta	l Datum: NAD	1927 🔀 NAD 1983
A6. Attach at least 2 photog	raphs of the building if the	e Certific	ate is being ι	used to obtain floo	d insurance.	
A7. Building Diagram Numb	er <u>6</u>					
A8. For a building with a cra	wispace or enclosure(s):					
a) Square footage of cr	awispace or enclosure(s)	·	•	1964.00 sq ft		
b) Number of permanen	t flood openings in the cr	awlspace	e or enclosure	e(s) within 1.0 foo	t above adjacent gr	ade 10
c) Total net area of floor	d openings in A8.b	3	3050.00 sq ir	1		
d) Engineered flood ope	enings? 🛛 Yes 🗌 I	No				
A9. For a building with an att	ached garage:					
a) Square footage of att	ached garage		N/A sq ft			
b) Number of permanen	t flood openings in the at	tached g	arage within	1.0 foot above adj	acent grade N/A	
c) Total net area of floor	d openings in A9.b		N/A sq	in		
d) Engineered flood ope	enings? 🔲 Yes 🔀 N	No				
				 		
	SECTION B - FLOOD	INSURA	NCE RATE	MAP (FIRM) INF	ORMATION	
1	B1. NFIP Community Name & Community Number TOWN OF FORT MYERS BEACH / 120673 B2. County Name LEE COUNTY B3. State Florida					
B4. Map/Panel Number B5. Suffix B6. FIRM Index Date B7. FIRM Panel Effective/ Revised Date B8. Flood Zone(s) B9. Base Flood Elevation(s) (Zone AO, use Base Flood Depth)						
12071C0554 F 08-28-2008 08-28-2008 AE 10.0'						
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9: ☐ FIS Profile ☑ FIRM ☐ Community Determined ☐ Other/Source:						
B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 X NAVD 1988 Other/Source:						
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Yes No						
Designation Date: CBRS OPA						

ELEVATION CERTIFICATE

OMB No. 1660-0008 Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy the corresponding information from Section	FOR INSURANCE COMPANY USE			
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route a 272 MIRAMAR STREET	Policy Number:			
City State ZIP Cox FORT MYERS BEACH Florida 33931	de	Company NAIC Number		
SECTION C - BUILDING ELEVATION INFORMATIO	N (SURVEY RE	EQUIRED)		
C1. Building elevations are based on: Construction Drawings* Building	g Under Constru	uction* X Finished Construction		
*A new Elevation Certificate will be required when construction of the building i				
C2. Elevations – Zones A1–A30, AE, AH, A (with BFE), VE, V1–V30, V (with BFE) Complete Items C2.a-h below according to the building diagram specified in It	tem A7. In Puerto	/AE, AR/A1-A30, AR/AH, AR/AO. 🕡 🦟		
Benchmark Utilized: RTK GPS Vertical Datum: NA	AVD 1988			
Indicate elevation datum used for the elevations in items a) through h) below.				
☐ NGVD 1929 ☑ NAVD 1988 ☐ Other/Source: Datum used for building elevations must be the same as that used for the BFE				
Section 2004 for Sanding Glovations must be the Sante as that tised for the OFC		Check the measurement used.		
 a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 		4.9 🗵 feet 🗌 meters		
b) Top of the next higher floor		15.6 X feet meters		
c) Bottom of the lowest horizontal structural member (V Zones only)		N/A X feet meters		
d) Attached garage (top of slab)		N/A × feet meters		
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments)	25 10	15.7 🔀 feet 🗌 meters		
f) Lowest adjacent (finished) grade next to building (LAG)		3.4 X feet meters		
g) Highest adjacent (finished) grade next to building (HAG)		4.4 ⋉ feet meters		
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support		4.0 🗵 feet 🗌 meters		
SECTION D - SURVEYOR, ENGINEER, OR ARCHI	TECT CERTIFIC	ICATION		
This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.				
Were latitude and longitude in Section A provided by a licensed fand surveyor?	ĭYes ∐No			
Certifier's Name License Number JAMES M. CONDON, PSM FL PSM 6074		MINICHAE		
Title PROFESSIONAL SURVEYOR AND MAPPER	P	HILLS CERTIFICATION OF THE CANAL TO SERVING THE CANAL THE CANAL TO SERVING THE CANAL THE C		
Company Name DAGOSTINO GEOSPATIAL, INC.		11.5		
Address 10981 BONITA BEACH ROAD S.E.	(7		
DOMES OPPOSION	IP Code 4135	Surveyor Surveyor Manual Surveyor Manual Man		
PSM 6074 State of Clorida	elephone 239) 352-6085	Ext.		
Copy all pages of this Elevation Certificate and all attachments for (1) community official, (2) insurance agent/company, and (3) building owner.				
Comments (including type of equipment and location, per C2(e), if applicable) ITEM A9. c) THERE ARE 10 FLOOD VENTS THAT ARE CRAWL SPACE DOOR SYSTEMS INC. (MODEL # CSBA816) FLOOD VENTS WITH A RATING OF 305 SQUARE FEET OF COVERAGE EACH. TOTAL COVERAGE = 3,050 SQUARE FEET. CRAWL SPACE DOOR SYSTEMS, INC. ICC-ES EVALUATION REPORT ESR-3851 IS ATTACHED. ITEM C2. e) POOL EQUIPMENT ELEVATION IS 4.5' (NAVD 1988) LOWEST MACHINERY LOCATED WAS THE AIR CONDITIONER ON FIRST LIVING LEVEL.				

ELEVATION CERTIFICATE

OMB No. 1660-0008 Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy the corresponding information from Section A.					NCE COMPANY USE	
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 272 MIRAMAR STREET						
City	State	ZIP Code		Company NAIG	C Number	
FORT MYERS BEACH	Florida	33931		, ,		
SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)						
For Zones AO and A (without BFE), complete Items E complete Sections A, B,and C. For Items E1–E4, use enter meters.	1–E5. If the Cert natural grade, if	ificate is intended to available. Check the	support a e measure	LOMA or LOMI ment used, in P	R-F request, uerto Rico only,	
E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).a) Top of bottom floor (including basement,						
crawlspace, or enclosure) is			meter	s 🔲 above o	below the HAG	
 b) Top of bottom floor (including basement, crawlspace, or enclosure) is 		feet	meter	s 🔲 above o	below the LAG.	
E2. For Building Diagrams 6–9 with permanent flood of	openinas provide	ed in Section A Item	s 8 and/or	9 (see pages 1-	-2 of Instructions).	
the next higher floor (elevation C2.b in the diagrams) of the building is		_	meter		below the HAG	
E3. Attached garage (top of slab) is		feet	meter	s 🔲 above o	below the HAG.	
E4. Top of platform of machinery and/or equipment servicing the building is		feet	meter	s 🔲 above o	below the HAG	
E5. Zone AO only: If no flood depth number is availab floodplain management ordinance? Yes	ile, is the top of t	he bottom floor elev	/ated in ac icial must (cordance with the certify this inform	ne community's nation in Section G,	
SECTION F - PROPERTY OW	NER (OR OWN	ER'S REPRESENT	ATIVE) CE	RTIFICATION		
The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. The statements in Sections A, B, and E are correct to the best of my knowledge.						
Property Owner or Owner's Authorized Representative	e's Name					
Address		City	Sta	ate	ZIP Code	
Signature		Date	Те	lephone	:	
Comments						
					!	
					5	
					·	
				☐ Check	here if attachments.	

ELEVATION CERTIFICATE

OMB No. 1660-0008 Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy the corre	FOR INSURANCE COMPANY USE				
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 272 MIRAMAR STREET			Policy Number:		
City FORT MYERS BEACH	State Florida	ZIP Code 33931	Company NAIC Number		
SECTIO	ON G - COMMUNITY INFOR				
The local official who is authorized by law or or Sections A, B, C (or E), and G of this Elevation used in Items G8–G10. In Puerto Rico only, en	dinance to administer the co Certificate. Complete the ap	mmunity's floodplain mai	nagement ordinance can complete below. Check the measurement		
G1. The information in Section C was tak engineer, or architect who is authoriz data in the Comments area below.)	en from other documentation ed by law to certify elevation	n that has been signed ar information. (Indicate th	nd sealed by a licensed surveyor, e source and date of the elevation		
G2. A community official completed Section Zone AO.	on E for a building located in	Zone A (without a FEM/	A-issued or community-issued BFE)		
G3. The following information (Items G4-	G10) is provided for commu	nity floodplain managem	ent purposes.		
G4. Permit Number 190282	G5. Date Permit Issued		Date Certificate of Compliance/Occupancy Issued		
G7. This permit has been issued for:	New Construction Subs	stantial Improvement			
G8. Elevation of as-built lowest floor (including of the building:	basement)	[feet	meters Datum		
G9. BFE or (in Zone AO) depth of flooding at t	he building site:	feet	meters Datum		
G10. Community's design flood elevation:		feet	meters Datum		
Local Official's Name STEULN L. WIC	Title	CFM			
Community Name TOUNSOF FT: V	nv 1-R 5 13	ephone EACH			
Signature Date 11/6/2020					
Comments (including type of equipment and loc	cation, per C2(e), if applicable	e)			
THIS IS A DIG. S.IGN	ES COPY	84	10 to the		
			8 A		
	**		糕		
			Check here if attachments.		

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

See Instructions for Item A6.

OMB No. 1660-0008 Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy t	FOR INSURANCE COMPANY USE		
Building Street Address (including Apt., 272 MIRAMAR STREET	Policy Number:		
City FORT MYERS BEACH	State Florida	ZIP Code 33931	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least 2 building photographs below according to the instructions for Item A6. Identify all photographs with date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8. If submitting more photographs than will fit on this page, use the Continuation Page.



Photo One

Photo One Caption Front view taken on 10/23/2020

Clear Photo One



•

Photo Two Caption Rear view taken on 10/23/2020

Clear Photo Two

Photo Two

BUILDING PHOTOGRAPHS

ELEVATION CERTIFICATE

Continuation Page

OMB No. 1660-0008 Expiration Date: November 30, 2022

IMPORTANT: In these spaces, copy t	FOR INSURANCE COMPANY USE		
Building Street Address (including Apt., 272 MIRAMAR STREET	Policy Number:		
City FORT MYERS BEACH	State Florida	ZIP Code 33931	Company NAIC Number

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." When applicable, photographs must show the foundation with representative examples of the flood openings or vents, as indicated in Section A8.

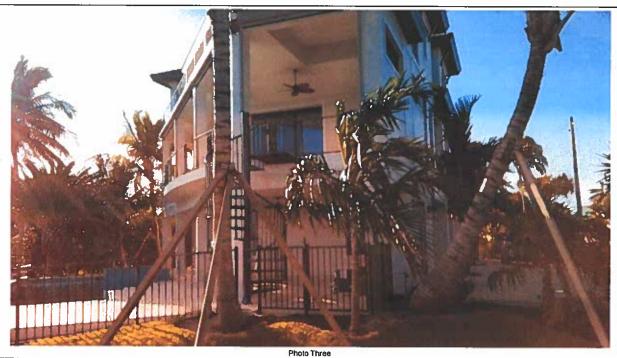


Photo Three Caption Left side view taken on 10/23/2020

Clear Photo Three



Photo Four

Photo Four Caption Right side view taken on 10/23/2020

Clear Photo Four



ICC-ES Evaluation Report

ESR-3851

Reissued September 2020

This report is subject to renewal September 2022.

www.icc-es.org | (800) 423-6587 | (562) 699-0543

A Subsidiary of the International Code Council®

DIVISION: 08 00 00—OPENINGS

Section: 08 95 43—Vents/Foundation Flood Vents

REPORT HOLDER:

CRAWL SPACE DOOR SYSTEMS, INC.

EVALUATION SUBJECT:

CRAWL SPACE DOOR SYSTEMS FLOOD VENT

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2018 and 2015 International Building Code®
- 2018 and 2015 International Residential Code®

Properties evaluated:

- Physical operation
- Water flow
- Weathering

2.0 USES

Crawl Space Door Systems flood vent is used to provide for the equalization of hydrostatic flood forces on exterior walls.

3.0 DESCRIPTION

3.1 General:

Crawl Space Door Systems flood vent is an engineered mechanically operated flood vent. Upon contact with flood water, the flood vent automatically opens and allows flood water to enter and exit enclosed areas. The vents are constructed of general purpose ABS SP-9010 plastic. The vent has a faux louver with either a solid plastic plate or wire mesh attached to the back of the louver. The louver is dislodged from the vent upon contact with flood waters. See Figure 1 for illustrations of the flood vent.

3.2 Engineered Opening:

The Crawl Space Door Systems static flood vent complies with the design principle noted in Section 2.7.2.2 of ASCE/SEI 24 for a rate of rise and fall of 5 feet per hour (0.423 mm/s). In order to comply with the engineered opening requirement of ASCE/SEI 24-14, the flood vent must be installed in accordance with Section 4.0 of this report.

4.0 DESIGN AND INSTALLATION

The Crawl Space Door Systems flood vent is designed to be installed into walls or doors of existing or new construction from the exterior side. Installation of the vent must be in accordance with the manufacturer's instructions, the applicable code and this report. In order to comply with the engineered opening design principle noted in Sections 2.7.2.2 and 2.7.3 of ASCE/SEI 24-14, the vent must be installed as follows:

- With a minimum of two openings; one on different sides of each enclosed area.
- With a minimum of one vent for the square footage of enclosed area noted in Table 1.
- Below the base flood elevation.
- With the bottom of the vent located a maximum of 12 inches (305 mm) above grade.

5.0 CONDITIONS OF USE

The Crawl Space Door Systems flood vent described in this report complies with, or is a suitable alternative to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 The Crawl Space Door Systems flood vent must be installed in accordance with this report, the applicable code and the manufacturer's published installation instructions. In the event of a conflict, the instructions in this report govern.
- 5.2 Use of Crawl Space Door Systems flood vent as under-floor space ventilation is outside the scope of this report.
- 5.3 The Crawl Space Door Systems flood vent is manufactured under a quality control systems with inspections by ICC-ES.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Mechanically Operated Flood Vents (AC364), dated August 2015 (Editorially revised October 2017).

7.0 IDENTIFICATION

7.1 The Crawl Space Door Systems flood vent recognized in this report must be identified by a label bearing the manufacturer's name (Crawl Space Door Systems), the model number, and the evaluation report number (ESR-3851). 7.2 The report holder's contact information is the following:

CRAWL SPACE DOOR SYSTEMS, INC. 3669 SEA GULL BLUFF DRIVE VIRGINIA BEACH, VIRGINIA 23455 (757) 363-0005 www.crawispacedoors.com

TABLE 1—CRAWL SPACE DOOR SYSTEMS FLOOD VENT

MODEL	OVERALL VENT SIZE	ROUGH OPENING SIZE	ENCLOSED
	(Width x Height x Depth)	(Width x Height)	AREA COVERAGE
	(in)	(In)	(ft²)
CSBA816	18 ¹ / ₄ x 10 ¹ / ₂ x 1 ³ / ₄	16 x 8 ¹ / ₄	305

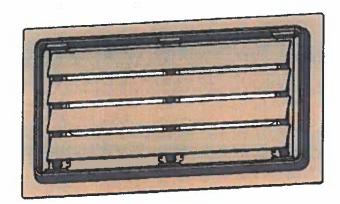


FIGURE 1---CRAWL SPACE DOOR SYSTEMS FLOOD VENT



ICC-ES Evaluation Report

ESR-3851 CBC and CRC Supplement

Issued September 2020

This report is subject to renewal September 2022.

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A Subsidiary of the International Code Council®

DIVISION: 08 00 00-OPENINGS

Section: 08 95 43-Vents/Foundation Flood Vents

REPORT HOLDER:

CRAWL SPACE DOOR SYSTEMS, INC.

EVALUATION SUBJECT:

CRAWL SPACE DOOR SYSTEMS FLOOD VENT

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Crawl Space Door Systems flood vent, described in ICC-ES evaluation report ESR-3851, has also been evaluated for compliance with the code(s) noted below.

Applicable code edition(s):

■ 2019 California Building Code (CBC)

For evaluation of applicable chapters adopted by the California Office of Statewide Health Planning and Development (OSHPD) and Division of State Architect (DSA), see Sections 2.1.1 and 2.1.2 below.

2019 California Residential Code (CRC)

2.0 CONCLUSIONS

2.1 CBC:

The Crawl Space Door Systems flood vent, described in Sections 2.0 through 7.0 of the evaluation report <u>ESR-3851</u>, complies with CBC Chapter 12, provided the design and installation are in accordance with the 2018 *International Building Code®* (IBC) provisions noted in the evaluation report and the additional requirements of CBC Chapters 12 and 16, as applicable.

2.1.1 OSHPD:

The applicable OSHPD Sections of the CBC are beyond the scope of this supplement.

2.1.2 DSA:

The applicable DSA Sections of the CBC are beyond the scope of this supplement.

2.2 CRC:

The Crawl Space Door Systems flood vent, described in Sections 2.0 through 7.0 of the evaluation report <u>ESR-3851</u>, complies with 2019 CRC, provided the design and installation are in accordance with the 2018 *International Residential Code* (IRC) provisions noted in the evaluation report.

This supplement expires concurrently with the evaluation report, reissued September 2020.





ICC-ES Evaluation Report

ESR-3851 FBC and FRC Supplement

Reissued September 2020

This report is subject to renewal September 2022.

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A Subsidiary of the International Code Council®

DIVISION: 08 00 00-OPENINGS

Section: 08 95 43-Vents/Foundation Flood Vents

REPORT HOLDER:

CRAWL SPACE DOOR SYSTEMS, INC.

EVALUATION SUBJECT:

CRAWL SPACE DOOR SYSTEMS FLOOD VENT

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Crawl Space Door Systems flood vent, described in ICC-ES evaluation report ESR-3851, has also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2017 Florida Building Code—Building
- 2017 Florida Building Code—Residential

2.0 CONCLUSIONS

The Crawl Space Door Systems flood vent, described in Sections 2.0 through 7.0 of the evaluation report ESR-3851, complies with the *Florida Building Code—Building* and *Florida Building Code—Residential*, provided the design and installation are in accordance with the 2015 *International Building Code®* provisions noted in the evaluation report.

Use of the Crawl Space Door Systems flood vent has also been found to be in compliance with the High-Velocity Hurricane Zone provisions of the 2017 Florida Building Code—Building and Florida Building Code—Residential.

For products falling under Florida Rule 9N-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the evaluation report, reissued September 2020.

